

**IMMUNOCHROMATOGRAPHIC METHODS FOR DETECTING AN
ANALYTE IN A SAMPLE WHICH EMPLOY SEMICONDUCTOR
NANOCRYSTALS AS DETECTABLE LABELS**

5

ABSTRACT OF THE DISCLOSURE

10 Immunochromatographic test strip assays which employ semiconductor nanocrystals as detectable labels are disclosed, as are methods for detecting and quantifying one or more analytes of interest in a test sample using those assays. The test strips of the present invention permit detection and quantitation of one or more analytes of interest present in a test sample suspected of containing them, by using more than one semiconductor nanocrystal as a detectable label, each of which exhibits a unique
15 emission peak.